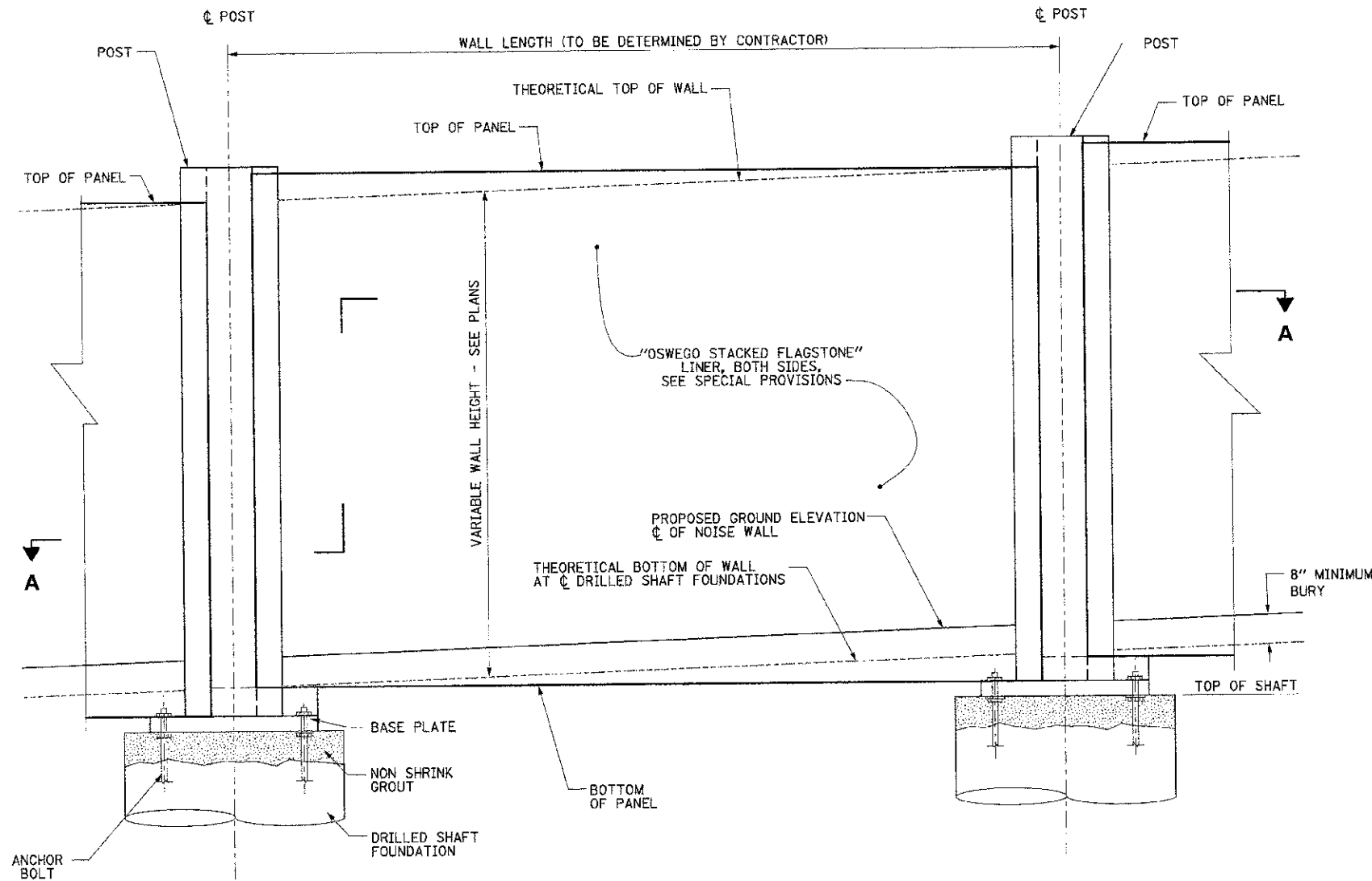
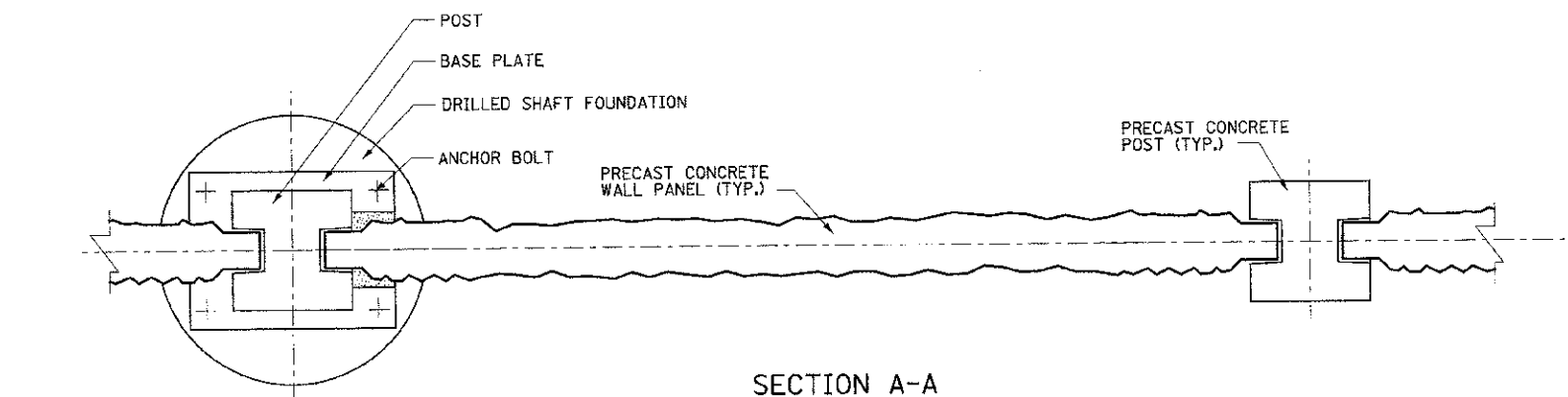


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
311	G-11R	KENDALL	514	405
STA. 780+44.91		TO STA. 918+85.88		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



**PARTIAL ELEVATION**



**SECTION A-A**

NOTE: BASE PLATE MOUNTING DETAILS SHOWN.  
ALTERNATE EMBEDDED POSTS ACCEPTABLE.

**TOTAL BILL OF MATERIALS**

ITEM	UNITS	NOISE WALL A	NOISE WALL B	NOISE WALL C	TOTAL
NOISE ABATEMENT WALL, PRECAST CONCRETE	SQ FT	9,133	19,586	12,820	41,539

**FOUNDATION DESIGN PARAMETERS  
COHESIVE SOILS:**

BORING *	ESTIMATED SHEAR STRENGTH, tsf
NW1	1.0
NW2	2.0
NW3	0.8
NW4	1.0
NW5	1.25
NW6	1.0
NW7	1.0
NW8	1.25
NW10	1.75 DOWN TO 3.5' AND 1.4 BELOW 14'
NW11	1.4
NW12	1.4
NW13	1.0 DOWN TO 7.0' AND 2.25 BELOW 14.5' MATERIAL COULD BE TREATED AS GRANULAR
NW14	1.25
NW15	1.25
NW16	1.4
NW17	0.75 DOWN TO 7.5' AND 2.25 BELOW 12'
NW18	0.8 DOWN TO 9.5' AND 2.25 BELOW 10'
NW19	0.8 DOWN TO 9.5' AND 2.25 BELOW 12'
NW20	1.0 DOWN TO 7.5' AND 2.25 BELOW 16.5'
NW21	1.5
NW22	1.3 DOWN TO 7.5' AND 2.25 BELOW 12.5'
NW23	ALL GRANULAR

**GRANULAR SOILS:**

ANGLE OF INTERNAL FRICTION = 34°

EFFECTIVE UNIT WEIGHT = 125 pcf  
(ABOVE WATERTABLE)

EFFECTIVE UNIT WEIGHT = 62 pcf  
(BELOW WATERTABLE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**IL71, OSWEGO  
NOISE WALLS  
PRECAST CONCRETE  
PANEL DETAILS**

SCALE: VERT. HORIZ. DATE: 07/06/2012 DRAWN BY: TL/KD CHECKED BY: DJB

PLT DATE = 7/9/2012  
FILE NAME = F:\BOS-1108 11 71 Oswego\11 070612\1108\_11\_IL71.dwg  
USER NAME = fdb  
PLOT DATE = 7/9/2012  
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